

ANTONOVA, Ye.A.; KUZNETSOVA, L.A.

Temperature of formation and the structure of glass-metal coatings
on steel. Zhur. prikl. khim. 36 no.8:1637-1641 Ag '63.
(MIRA 16:11)

ANTONOVA, Ye. G., ZINCHENKO, I. I., ZINCHENKO, I. I.

Heat-resistant coatings from chromium, nickel, boron, and silicon
powders obtained on steel by the enameling method. Zhukhmet. 1
no. 10: 100-102 Jan 1965.

(MIRA 18:5)

1. Institut Khimii Silyatov AN SSSR.

L 5312-66 EWP(e)/ENT(m)/EWP(i)/EWP(t)/EWP(z)/EWP(b) IJP(c) JD/HW

ACC NO: AP5024997

SOURCE CODE: UR/0206/65/000 /016/0061/0061

INVENTOR: Antonova, Ye. A.; Kuznetsova, L. A.

ORG: none

TITLE: Method of protecting steel against gas corrosion, Class 22, No. 173865

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 61

TOPIC TAGS: steel, corrosion, gas corrosion, corrosion prevention, steel corrosion prevention, corrosion resistant coating

ABSTRACT: This Author Certificate introduces a method of protecting steel against gas corrosion by means of a coating consisting of a filler and a silicate-metal binder. To improve the oxidation resistance of the coating, chromium carbide is used as a filler. In a variant of the method, the silicate-metal binder consists of 15-25 (weight) parts chromium, 2-6 parts boron, 65-75 parts nickel and 3-10 parts silicon. [ND]

SUB CODE: MM,IE/ SUBM DATE: 03Oct62/ ATD PRESS: 4137

Cord 1/1

UDC: 620.197:621.793

0901182

VARGIN, V.V., prof., doktor tekhn. nauk; ANTONOVA, Ye.A., kand.
tekhn. nauk; GUTOVA, L.L., st. nauchn. sotr.;
LITVINOVA, Ye.I., kand. tekhn. nauk; LUCHINSKIY, V.V.,
inzh.; MAZUREK, Yu.V., kand. tekhn. nauk; SENDEROVICH,
V.Ya., kand. tekhn. nauk; SEREBRYAKOVA, M.V., st.
nauchn. sotr.

[Technology of enamels and the enameling of metals]
Tekhnologiya emali i emalirovaniya metallov. Moskva,
Stroizdat, 1965. 315 p. (MIRA 18:5)

ANTONOVA, Ye.O.

Prevention of staphylococcal infection in open experimental bone injuries by preliminary application of penicillin. Ortop.travn. i protez. no.5:43-47 S-O '55. (MIRA 9:12)

1. Iz bakteriologicheskoy laboratorii (zav. - A.Ya.Yeselevich) i rentgenologicheskogo otdeleniya (nauchn. rukovod. - prof. D.Ye. Gol'dshteyn) Kazanskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii (dir. - zasluzh. deyatel' nauki TASSR prof. L.I.Shulutko)

(BONES, wounds and injuries

exper. open inj., prev. of staphylococcal infect. by previous admin. of penicillin in rat)

(PENICILLIN, effect

on prev. of staphylococcal infect. in exper. open bone wds. in rat)

(WOUNDS AND INJURIES

bones, open wds., exper., prev. of staphylococcal infect by previous admin. of penicillin in rat)

SHATALOVA, A.A.; ANTONOVA, Ye.K.

Modification of Lund's method for determining adrenaline and noradrenalin
in blood plasma. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24:263-
268 '61. (MIRA 15:5)

1. Biokhimicheskaya laboratoriya Gosudarstvennogo nauchno-issledovatel'-
nskogo psikhonevrologicheskogo instituta imeni Bekhtereva.
(ADRENALINE) (BLOOD PLASMA)

KONVALOV, M.F.; ANTONOVA, Ye.N.; POSTNIKOV, M.A.

Permanent commissions are public organs of the Council. Gor.khoz.
Mosk. 33 no.4:4-6 Ap '59. (MIRA 12:6)

1. Zaveduyushchiy Orginstruktorskim otделom Mosgorispolkoma (for Konvalov).
2. Starshiye instruktora Orginstruktorskogo otдела Mosgorispolkoma (for Antonova, Postnikov),
(Moscow--Municipal government)

GRINSHTEYN, I.M.; ADAMOVICH, Ye.A.; ANTONOVA, Ye.V.

Corrosion resistance of stainless steels in aggressive media
of hydrolysis industries. Gidrolis.i lesokhim.prom. 15 no.8:
22-23 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-
spirtovoy promyshlennosti.
(Steel, Stainless--Corrosion) (Hydrolysis)

ROZHDESTVENSKAYA, M.A.; ANTONOVA, Ye.V.

Testing plastic equipment for the preparation and preservation
of blood. Probl. gemat. i perel. Krovi 8 no.9:12-16 S '63.
(MIRA 17:9)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-
issledovatel'skogo instituta perelivaniya krovi (dir.-dotsent
A.D.Belyakov, nauchnyy rukovoditel' - chlen-korrespondent AMN
SSSR A.N.Filatov.

ANTONOVA, Ye. V.

"The Application of the Erythrocytic Mass,"

Trudy Ukrainskogo Nauchno-issledovatel'skogo Instituta Perelivaniya Krovi, 1950, part 3

DEEP, M.D. Docent; ANTONOVA, YE. V.

Stomach--ulcers

Graphic registration of the motor function of the stomach in ulcer and its changes following surgery. Vest. khir. 72 No.4, 1952

Monthly List of Russian Accessions, Library of Congress, November, 1952 UNCLASSIFIED

ANTONOVA, Ye.V., starshiy nauchnyy sotrudnik

Study of the erythrocyte sedimentation process in preserved blood.

Akt.vop.pereb.krovi no.4:61-65 '55.

(NIRA 13:1)

1. Otdel konservatsii krovi Leningradskogo instituta perelivaniya
krovi (sav. otdelom - starshiy nauchnyy sotrudnik M.Ye. Depp).
(BLOOD--SEDIMENTATION)

ANTONOVA, Ye.V.

Method of blood preservation without a stabilizer [with summary in English p.64]. Probl.gemat. i perel.krovi 2 no.2:46-49 Mr-Apr '57.

(MLRA 10:6)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent D.A.Belyakov, nauchnyy rukovoditel' - chlen-korrespondent Akademii meditsinskikh nauk SSSR prof. A.N.Filatov).

(BLOOD, PRESERVED

preservation by ion exchange resin method, without stabilizer (Rus))

(ION EXCHANGE RESINS

in method of blood preservation without stabilizer (Rus))

"APPROVED FOR RELEASE: 06/19/2000

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101810011-8"

BLINOVA, A.I.; ANTONOV, Ye.V.; ~~POLOVINA, A.A.~~; YAKOVLEV, O.P.

Investigation of therapeutic action of transfusion of the blood without a stabilizer in diseases of the blood. Probl.genet. i perel. krovi 2 no.3:33-38 My-Je '57. (MIRA 10:8)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR professor A.N.Pilatov)

(BLOOD DISEASES, therapy,

transfusion of blood prep. with ion-exchange resins without stabilizer (Rus))

(BLOOD TRANSFUSION,

blood prep. with ion-exchange resins without stabilizer in ther. of various blood dis. (Rus))

(ION EXCHANGE RESINS,

prep. of blood for transfusion in various blood dis. (Rus))

ANTONOVAM, Ye.V., ROTFEL'D, L.S.

Studies on certain biochemical and physicochemical changes occurring during storage in blood prepared without a stabilizer.

Probl.gemat. i perel.krovi 3 no.3:43-48 My-Je'58 (MIRA 11:6)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni instituta perelivaniya krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' chlen-korrespondent AMN SSSR prof. A.N. Filatov).

(BLOOD PRESERVATION,

without stabilizer, eff. on biochem. & phys. properties (Rus))

ANTONOVA, Ye.V., starshiy nauchnyy sotrudnik; BELYAKOV, A.D., starshiy
nauchnyy sotrudnik; ROZHDESTVENSKAYA, M.A., starshiy nauchnyy sotrudnik

Urgent problems in the preservation of blood. Akt.vop.perel.krovi
no.7:80-83 '59. (MIRA 13:1)

1. Laboratoriya konservirovaniya krovi Leningradskogo instituta
perelivaniya krovi.

(BLOOD--COLLECTION AND PRESERVATION)

ALEKSEYEVA, A.V., nauchnyy sotrudnik; ANTONOVA, Ye.V., starshiy nauchnyy
sotrudnik; KROTOVA, T.A., doktor biolog.nauk

Study of the influence of ionising radiation on some immunobiological
and physicochemical properties of preserved blood. Akt.vop.perel.krovi
no.7:137-145 '59. (MIRA 13:1)

1. Otdel sugotovki krovi, bakteriologicheskaya i serologicheskaya
laboratoriya Leningradskogo instituta perelivaniya krovi.
(X RAYS--PHYSIOLOGICAL EFFECT) (BLOOD)

LARAREV, A.F.; ANTOLOVA, Ye.Ye.

Obtaining growth hormone antiserum by immunizing rabbits with antigen microcoses. *Biul. eksp. biol. i med.* 56 no.12:66-68 D' 62. (MIRA 17:11)

1. Opytno-proizvodstvennaya laboratoriya (zav. - dotsent A.F. Lararev) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova), Moskva.

SOV/137-58-11-22732

Translation from: Referativnyy zhurnal. Metallurgiya. 1958, Nr 11, p 128 (USSR)

AUTHORS: Gorodnov, P. T., Baranov, A. K., Antonova, Yu. S., Prokhvatilov, Ye. I., Skvortsov, G. D.

TITLE: Condenser-discharge Welding of Bicycle Frames (Kondensatornaya svarka velosipednykh ram)

PERIODICAL: Tekhnol. avtomobilestroyeniya, 1958, Nr 2, pp 36-43

ABSTRACT: The novel technological process of condenser-discharge welding (CW) of permanently joined members of bicycle frames developed by the NIITavtoprom (Scientific Research Institute of Technology for the Automobile Industry) substantially reduces the amount of labor required as well as the weight of the bicycles. The employment of the CW significantly reduces the consumption of ferrous and nonferrous metals and auxiliary materials and eliminates such operations as the manufacture of fittings, their attachment, etc. The electrical circuitry of CW is examined. Technical specifications and photographs of the CW machine are given. At a current of up to 300,000 amp the productivity of the machine amounts to 100-125 welding operations per hour. As a result of investigations carried out to

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SOV/137-58-11-22732

Condenser-discharge Welding of Bicycle Frames

determine optimal conditions for CW, relationships were established between the strength of the welded joints and the current density, the charge potential, the compression force, the overhang of the pipe, etc. (the data are compiled in the form of diagrams). Vibration-strength tests yielded favorable results. A prototype of an industrial CW machine was designed and constructed. The employment of the CW technique reduces the labor from 41-44 to 5-15 minutes per frame and lowers the cost of manufacture per frame from 12-13 to 5-7 rubles.

B. K.

Card 2/2

KAPTARENKO, O.K.; ANTONOVA, Z.A.; KALUGINA, O.M.

Correlation of Jurassic deposits in the Ukrainian S.S.R. with those
in the northern Caucasus on the basis of Foraminifera. Geol. zhur.
17 no.3:88-90 '57. (MIRA 11:2)
(Ukraine--Geology, Stratigraphic)
(Caucasus, Northern--Geology, Stratigraphic)

ANTONOVA, Z.I.

Correlation of the profile of Jurassic deposits of the Loba basin
based on its foraminiferan fauna. Trudy VNIGI no.12:213-234) '58.
(MIRA 12:3)

(Loba Valley--Foraminifera, Fossil)

ANTONOVA, Z.A.

Middle Jurassic Foraminifera in the Laba Basin. Trudy VHII
no.17:41-80 '58. (MIRA 12:1)
(Laba Valley--Foraminifera, Fossil)

ANTONOVA, Z. A.: Master Geolog-Mineralog Sci (diss) -- "The foraminifera of the Jurassic deposits of the basins of the Laba River and their stratigraphic significance". Moscow-Krasnodar, 1959. 19 pp (Moscow State U im N. V. Lomonosov, Krasnodar Affiliate of the All-Union Petroleum and Gas Sci Res Inst), 100 copies (KI, No 13, 1959, 101)

1410

007-00-1/2-46/56

AUTHOR:

Antonova, T. A.

TITLE:

Some Remarks on the Evolution of Certain Representatives of Ophthalmidiidae. Based on Their Development in the Laby River Basin During the Jurassic Period (K voprosu ob evolyutsii nekotorykh predstaviteley ophthalmidiid na primere razvitiya ikh v yarskoye vremya v bassejne r. Laby)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol. 132, Nr 5, pp 913-916 (USSR)

ABSTRACT:

The author bases her investigations on the analysis of the variations of the genera Ophthalmidium, Spirophthalmidium, and Laioemiliellina in time. She reaches several conclusions regarding the evolutionary course between ilinsbachian and Oxford-limmerigian time (Jurassic), since individual species of these genera occur in various stratigraphic horizons, and a gradual transition of their characters could be recognized. Table 1 shows their stratigraphic distributions and quantitative relations. The data given there enable the author to select the three most stable species groups, by which the three genera listed above are defined. The climax of each of

Card 1/1

LV 9-12-5-46/26

Some Remarks on the evolution of Certain Representatives of Ophthalmitidae.
Based on Their Development in the Laba River Basin During the Jurassic Period

three genera is different: Ophthalmitidae - in the Lower Jurassic, Epiphthalmitidae - in the Middle Jurassic, and Epiphthalmitidae - in the Upper Jurassic. After a short review of the literature (Note 1,2), the author analyses the morphological structure of these three genera. From this analysis it is concluded that the chief morphological shell characteristics of these genera are: a) the type of coiling, b) the form and position of the chambers, and c) the character of the spiral coiling and the shell outline. The chief characteristic of these genera, whose variation also causes variations of the other shell characteristics, is apparently the chamber arrangement. The development apparently proceeds from a flat spiraled to a primitive, knottyformed arrangement. Thus, there is a transition from the most primitive, Lower Jurassic, evolute forms, with chambers in a single plane, to more highly organized, Upper Jurassic forms, which are half involute and have a compact chamber arrangement in several planes. These planes intersect each other at various angles which are not constant. The genera under discussion are briefly described

Card 1/5

SCV-20-122-5-46/56

Some Remarks on the Evolution of Certain Representatives of Ophthalmyiidae,
Based on Their Development in the Lata River Basin During the Jurassic Period

and illustrated (Figs in Table 2). In conclusion the new
forms are described. They are: Spirophthalmidium mamontovae
Antonova and Kulagina (Fig 1 a), Sp. inflatum Antonova sp.nov.
(Fig 1 b), Palaeomiliolina micra Antonova and Kulagina sp.nov.
(Figs 1 v-d), and Pal. Costata Antonova sp.nov. (Figs 1 e-z).
There are 3 figures, 1 table, and 6 references, 4 of which are
Soviet.

ASSOCIATION: Krasnodarskiy Filial Vsesoyuznogo neftegazovogo nauchno-
issledovatel'skogo instituta (Krasnodar Branch of the All-
Union Oil and Gas Scientific Research Institute)

PRESENTED: May 11, 1966, by A. I. Antonova, geologist

SUBMITTED: May 28, 1966

Card 5/5

ANTONOVA, Z.A.

Miliolid fauna from Jurassic sediments of the Laba basin. Trudy
KF VNII no.1:3-32 '59. (MIRA 16:9)
(Laba Valley—Miliolidae, Fossil)

ANTONOVA, Z.A.

New species of Jurassic Foraminifera in the Iaba Valley. Trudy KP
VNII no.4:191-198 '60. (MIRA 13:11)
(Iaba Valley--Foraminifera, Fossil)

YEGOYAN, V.L.; ANTONOVA, Z.A.; GARBUZOVA, A.G.

Stratigraphy of Cretaceous sediments in the Yeisk-Berezan' region.

Trudy KF VNII no.6:122-162 '61.

(MIRA 15:2)

(Krasnodar Territory--Geology, Stratigraphic)

ANTONOVA, Z.A.

Foraminifera of Albian sediments in the Yeisk-Berezan' region of
the Scythian Platform. Trudy KF VNII no.6:163-184 '61.
(MIRA 15:2)

(Krasnodar Territory--Foraminifera, Fossil)

ANTONOVA, Z.A.

Synchronicity of Jurassic Foraminifera complexes in the
northwestern Caucasus and the Russian Platform. Trudy
VNIGI no.29:165-168 vol.3 '61. (MIRA 14:9)
(Caucasus, Northern--Foraminifera, Fossil)
(Russian Platform--Foraminifera, Fossil)

ANTONOVA, Z.A.

Development of the Jurassic fauna of foraminifers in the
Northern Caucasus (Little Laba Basin). Trudy KF VNII
no.10:158-167 '62. (MIRA 15:11)
(Labá Valley--Foraminifera, Fossil)

KRUSSE, O.V.; ANTONOVA, Z.G.

Continuous vegetative reproduction of *Penicillium chrysogenum*.
Trudy Len.khim.-farm.inst. no.15:45-50 '62. (MIRA 15:11)
(PENICILLIUM)

TASKAYEV, N.D.; TURATBEKOVA, Z.; ANTONOVA, Z.N.

Cleaning of the coals of the Karakichi deposit of the Kirghis
S. S. R. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 2 no.99-101
'60. (MIRA 13:9)

(Karakichi--Coal preparation)

SALOVA, A.S.; ANTONOVA-ANTIPOVA, I.P.

Micromethod for determining sacchariferous substances in
pentaerythrite. Izokras. mat. i kh. prim. no. 6:55-56
'60. (MIRA 13:12)
(Pentaerythritol) (Sugars)

SALOVA, A.S.; ANTONOVA-ANTIPOVA, I.P.; LEVKOVICH, G.A.; BOGATYREV, P.M.

Impurities in diphenylpropane. Lakokras.mat.1 i h prim. no.1:
71-72 '62. (MIRA 15:4)

(Propane)

L 23589-35 $\text{BTP}(\text{m})/\text{BTP}(\text{e})/\text{BTP}(\text{j})$ $\text{Pc-L}/\text{Pr-L}$ Rc

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 104

SECRET

2. $\mathcal{A} = \mathcal{A}_1 \cup \mathcal{A}_2$, where $\mathcal{A}_1 = \{A_1, \dots, A_n\}$ and $\mathcal{A}_2 = \{A_{n+1}, \dots, A_m\}$ are two disjoint families of sets, and $\mathcal{A}_1$ is a $\mathcal{P}_k$ -family.

Abstract: A series of novel polyarylene carbonates were synthesized by the reaction of bisphenols with phosgene or carbonyl chloride. As a model compound, the synthesis of poly(2,6-pyridinedicarbonyl-*p*-phenylene) was described.

1991. *Ученая и педагогическая деятельность академика В. И. Арсенева*. М.: Наука.

TABLE TAGS: polyaryl carbonate, colored polyaryl carbonate, homo-
polymeric polyaryl carbonate, mixed polyaryl carbonate

1. The following information is being furnished to you for your information:

REMARKS: 1. TOTAL AMERICANS: 10,000. 2. 100% AMERICANS.

1. The first element of the test is whether the defendant's conduct was "in the public interest." The court found that the defendant's conduct was not in the public interest because it was not necessary for the protection of the public health, safety, or morals.

1000

ACCESSION NR: AP5001482

chloride and bisphenol A or resorcinol were crystalline. All other
oligomeric and mixed polyaryl esters were amorphous.

ASSOCIATION Institut elementoorganicheskiy, p. 10, ul. 19
Institute of Heteroorganic Compounds, AN SSSR

SUBMITTED 217-864 ENCL. OF 1000

Card 2/2

L 33476-63 ENT(m)/EPF(c)/ENP(j)/EWA(c) Po-4/Pr-4 RM
 ACCESSION NR: AP5005602 3/0190/65/007/002/0322/0327

AUTHORS: Korshak, V. V.; Vinogradova, S. V.; Antonova-Antipova, I. P.

TITLE: Colored polyarylates from 3,3'-asobenzenedicarboxylic acid

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 2, 1965, 322-327

TOPIC TAGS: dicarboxylic acid, synthetic hydrocarbon, condensation reaction

ABSTRACT: The synthesis of 3,3'-asobenzenedicarboxylic acid polyarylates was accomplished by the equilibrium method and also by interphase polycondensation. Equilibrium condensation was effected in solvents having high boiling points (chlorinated biphenyl or ditolylmethane) from 3,3'-asobenzenedicarboxylic acid chloride, terephthalic and isophthalic acids, phenolphthalein dian, diallyldian, hydroquinone, and resorcinol. The 3,3'-asobenzenedicarboxylic acid was obtained with a yield of 80-90% by diazotisation of m-aminobenzoic acid with subsequent decomposition of the diazo compounds. The 3,3'-asobenzenedicarboxylic acid chloride was synthesized by interaction (4-5 hours) between thionyl chloride and 3,3'-asobenzenedicarboxylic acid in the presence of 1-2% pyridine as catalyst. The yield of 3,3'-asobenzenedicarboxylic acid chloride was 80-90% of theoretical

Card 1/2

L 35476-65

ACCESSION NR: AP5005602

(melting point = 83.5-84.5). This product, colored yellow, was used as initial material for producing synthetic polyarylates. Both homogeneous and mixed polyarylates were formed. With phenolphthalein, both were found to be readily soluble in organic solvents and to have high softening temperatures. They easily form strong, transparent, yellow films from their solution. Infrared absorption spectra of the synthesized polyarylates indicate a bathochrome mixture in the transition from 3,3'-azobenzenedicarboxylic acid polyarylates to 4,4'-azobenzenedicarboxylic acid polyarylates. Orig. art. has: 3 figures and 4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: 00

NO RLF SOV: 001

OTHER: 003

Card 2/2

KORCHAK, V.V.; VIROGRADOVA, S.V.; ANTONOVA-ANTIPOVA, I.P.

Colored polyarylates based on 3,3'-azobenzenedicarboxylic acid. Vysokom. soed. 7 no.2:322-327 F '65.

(MIRA 18:3)

L 1968-66 ENT(m)/EPF(c)/T/EWP(j) WW/RM

ACCESSION NR: AP5022599

UR/0190/65/007/009/1543/1548
678.674

AUTHOR: Korshak, V. V.; Vinogradova, S. V.; Antonova-Antipova, I. P.

TITLE: Colored polyaryl esters based on certain dihydroxyanthraquinones

SOURCE: Vysokomolekulyarnyye soedineniya, v. 7, no. 9, 1965, 1543-1548

TOPIC TAGS: polyaryl ester, polymerization color, heat resistant polymer

ABSTRACT: To eliminate the dyeing step and to improve colorfastness, intrinsically colored polyaryl esters have been synthesized from dihydroxyanthraquinones, viz., alizarin, quinizarin, and quinizarin blue. Such starting materials were also of interest from the standpoint of the effect of repeat-unit structure on polymer properties, and because such polymers could be modified by treatment with metal salts. Homo- and co-polymeric polyaryl esters were prepared from the dihydroxyanthraquinones and terephthalic and isophthalic acids, and phenolphthalein by polycondensation in high boiling solvents. It was found that homo- and co-polymeric polyaryl esters from quinizarin and terephthalic or isophthalic acids, and from alizarin blue and terephthalic acid have high softening points, e.g., 475-500C for the polymer from quinizarin and terephthalic acid. Copolymeric

Card 1/2

L 1968-66

ACCESSION NR: AP5022599

polyaryl esters from the dihydroxyanthraquinones and phenolphthalein had good solubility in organic solvents and could be readily cast from solution to form films. Such films were colored, strong (800—1200 kg/cm²) and elastic (10—15%). Film color could be modified by adding the appropriate metal salt to the polymer solution. Orig. art. has: 3 formulas, 3 figures, and 2 tables. [SM]

ASSOCIATION: Institut elementoorganicheskikh soedinenii AN SSSR (Institute of Heteroorganic Compounds, AN SSSR)

SUBMITTED: 13Oct64

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 006

OTHER: 002

ATD PRESS: 4090

Card 2/2

(A) L 13519-66 EWT(m)/EWP(j)/T/EWA(c)/ETC(m) WN/RM
ACC NR: AF6001860 SOURCE CODE: UR/0190/65/007/012/2052/2056

AUTHORS: Vinogradova, S. V., Korshak, V. V., Antonova-Antipova, I. P. 54
13

ORG: Institute of Elemento-organic Compounds AN SSSR (Institut
elementoorganicheskikh soedineniy AN SSSR)

TITLE: Colored polyarylates of 4,4'-dihydroxyazobenzene. 80th report in the series
On Heteropolyesters 11, 14, 15

SOURCE: Vysokomolekulyarnyye soedineniya, v. 7, no. 12, 1965, 2052-2056

TOPIC TAGS: polymer, polyaryl plastic, polycondensation, thermomechanical property

ABSTRACT: Polyarylates of 4,4'-dihydroxyazobenzene (I) with phenolphthalein (II), dian (III), isophthalic (IV), and terephthalic (V) acids were synthesized and their physical properties were investigated. Study of the effects of the dibasic phenol upon the structure of the product and of the azo group upon its color was of particular interest. Experimental work was performed using methods described by the authors in earlier publications (Vysokomolek. soed., 6, 2174, 1964; 7, 322, 1965; 7, 1543, 1965). It was found that polyarylates of I with IV and V do not melt but decompose above 400C. Thermomechanical curves (see Fig. 1) indicate that while polymers derived from I reacted with IV and V possess low deformation and high rigidity, but that introduction of II and III increases the former and lowers the latter property. The solubility of homopolyarylates of I in organic solvents may be

Card 1/3 UDC: 678.674

L 13519-66

ACC NR:

AP6001860

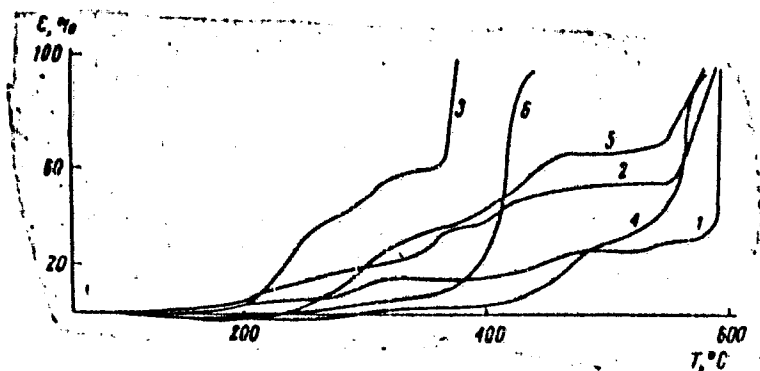


Fig. 1. Thermomechanical curves of polyarylates from I with: dian (III), phenolphthalein (II), terephthalic (V), and isophthalic (IV) acids.

- 1 - I:V=1:1 (interphase polycondensation);
- 2 - I:III:V = 0.5:0.5:1 (interphase polycondensation);
- 3 - I:III:V = 0.2:0.8:1 (interphase polycondensation);
- 4 - I:V = 1:1 (equilibrium polycondensation);
- 5 - I:II:V = 0.5:0.5:1 (equilibrium polycondensation);
- 6 - I:IV = 1:1 (equilibrium polycondensation).

Card 2/3

13519-66

ACC NR: AP6001860

increased by substituting a portion of I by II or III. Such solutions can be used for preparing strong, transparent yellow films which, when heated for several hours at 250C, still maintain up to 50% of their original tensile strength. Spectra of the products in the visible and UV regions are reported. Orig. art. has: 3 figures, and 4 tables.

SUB CODE: 07/ SUBM DATE: 23Dec64/ ORIG REF: 003/ OTH REF: 003

Card 3/3 DR

ANTIC, M.; ANTONOVIC, G.

Morphological and chemical characteristics of the A-C stage
on cornelites under the Junipereto-Ficetum subalpinum
sealerietosum-Kopaonik subassociation; the subalpine pararendzina.
Zemljist biljka 12 no.1/3:133-137 Ja-D '63.

1. Institute of Soil Science, Belgrade-Torpidor.

ANICKOVIC, A.

Tuberculosis and marriage. p. 8. (BEOGRAD, Vol 7, No. 4, 1952.)

SC: Monthly list of East European Accessions. (EEAL, 10, Vol. 4, No. 6, June 1 55, Uncl.

ANTONOVIC, A.

Fund-raising activity for Yugoslavia in New York; reminiscences of the work of the Yugoslav Red Cross delegation to the United States in 1945-46. p. 12. (BROOKLYN, Vol. 7, No. 4, 1952)

SO: Monthly list of East European Accessions. (FEAL, IC, Vol. 4, No. 6, June 1955, Uncl.

ANTHONY, ...

"Tuberculosis and Pregnancy." p. 99. (Morbo Propter Tuberculosis, Vol. 1, no. 1, Jan/Feb. 1953, Budapest)

SO: Monthly List of East European Accessions, Vol. 3, No. 3. Library of Congress. March 1954.
Uncl.

ANTONOVIC, Milan, Potpukovnik dr., (Beograd)

Aid of the Yugoslavian Red Cross in control of tuberculosis.
Tuberkuloza, Beogr. 8 no.1:71-73 Jan-Feb 56.

(TUBERCULOSIS, prevention and control,
in Yugosl., role of Red Cross (Ser))
(SOCIAL SERVICE,
Red Cross in Yugosl., role in tuberc. control (Ser))

ANTONOVIC, Milan sanitetski potpukovnik, d-r; JOVANOVIĆ, J. sanitetski potpukovnik
d-r; GASPAROV, Antun, sanitetski pukovnik d-r

Results of the treatment of sero-fibrinous tuberculous pleurisy
during 1957-1958. Voj. san. pregl., Beogr. 17 no. 3: 236-246 Mr '60.

1. Oblasna vojna bolnica u Beogradu, Interno odeljenje.
(TUBERCULOSIS PULMONARY ther.)

ANTONOVIC, M., sanitetski puškovnik, doc., dr.

Acute diseases of the lower respiratory organs in military personnel and in hospitals. Vojnosanit. pregl. 20 no.7: 443-449 JI '63.

(TRACHEITIS) (BRONCHITIS) (PNEUMONIA)
(MILITARY MEDICINE)

S

ANTONOVIC, Milan; STANKOVIC, Dragica; MILOVANOVIC, Mirko

Nonspecific recurrent erythema nodosum in a tuberculous patient.
Tuberkuloza 17 no.3:212-215 My-Je '65.

1. Vojni institut za TBC, Beograd (Nacelnik: prof. dr. Mirko
Tucakovic).

ANTONOVIC, Milan; GASPAROV, Anton; MILOVANOVIC, Mirko

Cold abscess of the abdominal wall. Srpski arh. celok. lek.
93 no.1:75-78 Ja '65.

1. Vojni institut za tuberkulozu u Beogradu (Nacelnik: puk. prof.
dr. Mirko Tucakovic) i Interno odeljenje Armijske bolnice u Beogradu
(Nacelnik: puk. doc. Jr. Anton Gasparov).

ANTONOVIC-KOBLISKA, MILOVAN.

Antonovic-Kobliska, Milovan. Nauka o grade-vinskom materijalu; udzbenik za II i III razred gradevinskih srednjih tehnickih skola. 3. dop. izd. Beograd, Grade-vinska knjiga, 1950. 211 p. (Outline of building materials ; a textbook for the 2nd and 3rd classes of middle building construction schools. Bibl)

SO: Monthly List of East European Accession, LC, Vol. 3, No. 1, Jan. 1954, Uncl.

ANTONOVICH, A.L.

Evaluating the economic efficiency of the introduction of
automation in a sugar factory. Sakh. prom. 36 no.12:24-28
D '62. (MIRA 16:6)

1. Drokiyevskiy sakharный zavod.
(Sugar factories) (Automation)

ANTONOVICH, A.L.

Automation of the juice collector unit facing the evaporator.
Sakh. prom. 37 no.5:28-30 My '63. (MIRA 16:6)

1. Drokiyevskiy sakharney zavod.
(Sugar machinery) (Automation)

METURA, M.K.; ANTONOVICH, A.L.

Organization and work of the section of the control and measurement equipment and of automation in sugar factories. Sakh.prom.
37 no.11:39-42 N 103. (MIRA 16:11)

1. Sovet narodnogo khozyaystva Moldavskoy SSR (for Metura). 2. Drog-kiyevskiy sakharney zavod (for Antonovich).

ANTONOVICH, A.L.; PRODAN, G.S.

The IAD work timers. Priborostroenie no.10:25 0 '64.

(MIRA 17:11)

ANTONOVICH, A.L.

Device for the regulation of the feed of milk of lime to defecation.
Sakh.prom. 38 no.1:36-38 Ja '64. (MIRA 17:2)

1. Upravleniye pishchevoy promyshlennosti Soveta narodnogo khozyaystva
Moldavskoy SSR.

ANTONOVICH, A.L.

Measurement of the flow of diffusion juices. Sakh.prom. 38
no.3:36-37 Mr '64. (MIRA 17:4)

1. Drokiyevskiy sakharney zavod.

ANTONOVICH, A.I.

Gasket for cleaning separating pipes of tapered devices.
Izm. tekhn. no. 11:55-56 N '64.

(MIRA 1813)

[illegible]

PROCESSING AND PROPERTY INDEX																																																																																																					
FURNACE FOR HEATING SPECIMENS DURING BRIEF AND PROLONGED TENSILE TESTS. AV Antonovich. (Zavodskaya Laboratoriya, 1949, vol. 15, May, pp. 618-621). In Russian. A number of disadvantages associated with the use of the conventional type of Nichrome furnace are listed, and a high-current low-voltage furnace is described together with a relatively simple temperature regulating circuit from which satisfactory service has been obtained over a number of months for brief and prolonged tensile tests at high temperatures. The diameter of specimens which can be heated in the furnace described can be as large as 5 mm. Among the advantages claimed for this apparatus are: Simple and reliable construction; rapid fitting of thermocouples; higher temperatures than those obtained with Nichrome furnaces; even temperature throughout the whole length of the specimen; and small thermal inertia.																																																																																																					
ASST. DIR. METALLURGICAL LITERATURE CLASSIFICATION																																																																																																					
<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td> </tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		

PHASE I BOOK EXPLOITATION

568

Antonovich, A. V.

Uskorennyy metod ispytaniya tverdoti metallov pri vysokikh temperaturakh
(Rapid Method Hardness Testing of Metals at High Temperatures) Leningrad,
1955. 13 p. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy.
Informatsionno-tekhnicheskoy listok, no 7/675/) 7,000 copies printed.

Sponsoring Agencies: Leningradskiy dom nauchno-tekhnicheskoy propagandy, and
Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh
znaniy. Ed.: Achkinadze, Sh.D.; Tech. Ed.: Gvirtz, V. L.

PURPOSE: This pamphlet is intended for personnel responsible for testing
and inspection of engineering materials.

COVERAGE: The pamphlet presents a description of a method developed for
rapid hardness testing of metal specimens at high temperatures.
The specimen is resistance heated and the hardness is tested with
a Brinell hardness tester employing a "thermocorundum" indentation ball.

Card 1/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101810011-8

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101810011-8"

ANTONOVICH, A.V.

An automatic vibration-duration recorder. Zav.lab.21 no.6:
728-731 '55.

(MIRA 8:9)

(Vibration--Measurement)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101810011-8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101810011-8"

ANTONOVICH, A.V.

Automatic control of machines for heat resistance testing. Zav. lab.
22 no.9:1100-1105 '56. (MLRA 9:12)
(Electronic control) (Testing machines)

ANTONOVICH, A.V.

Machine for combined strength, bending, torsion, and fatigue
tests. Zav. lab. 22 no.12:1493-1496 '56. (MLRA 10:2)

(Testing machines) (Metals--Testing)

S/032/63/029/004/013/016
A004/A127

AUTHOR: Antonovich, A.V.

TITLE: High-speed machine for testing the wear resistance of materials

PERIODICAL: Zavodskaya laboratoriya, no. 4, 1963, 486 - 490

TEXT: After pointing out the deficiencies of the type M-47-K 54 (I-47-K54), AE-5, X4-B (Kh4-B), MM-1 (MI-1) machines for testing the resistance to wear of materials, the author describes the design and operation of a machine he has developed for testing the wear resistance of ring-shaped specimens with a contact surface of 1 and 2 cm² at high friction speeds. The machine renders also possible the testing of face sealing units of small-size motors. The electric h-f motor of 4,800 rpm is supplied from a generator with electric current of 800 ops and 220/380 v. The motor housing is fitted with forced anticorrosion liquid cooling. The rings can be tested under different conditions, e.g., dry friction, lubricated friction, different contact density, etc.; the machine is fitted with loading, measuring and recording devices. The degree of wear of the material being tested is determined by an indicator with a 0.01 or 0.001 mm graduation. The temperature

Card 1/2

High-speed machine for testing the wear...

S/032/63/029/004/013/016
A004/A127

of the friction couples is measured by a thermocouple, while these temperatures are recorded by an automatic PC-1 (PS-1) recording potentiometer. As an example, the results of testing the wear of KHI (ZhNG) and MFC (MGS) anti-friction materials are presented in the form of a graph. There are 4 figures.

Card 2/2

PAV N. L. LEBEDEV, S.N., kand.tekhn.nauk; ANTONOVICH, A.V., inzh.

Temperature fields of the model of an air cooled 25-700-J gas
turbine cylinder. Energomashinostroenie 10 no.14-17 Ja '64.
(MIRA 17:4)

ANTONOVICH, A.V., inzh., TALLSIA, M.I., inzh., Pribl. Tekh. 1975. 1975.
Lening. ENK

Study of the operating temperature moles of the prototype of a GT-
25-700 gas turbine. Teploenergetika 12 no.5:20-26. My '65. (MIRA 18:5)

1. Tsentral'nyy kotloturbinnyy institut.

ANTONOVICH, A.V., inzh.; TRIFSIK, M.I., inzh.; TYRISHKIN, V.G., kand.tekhn.
nauk

Study of the variable temperature conditions of the hull
components of the GT-25-700-1 gas turbine system.
Energomashinostroenie 11 no.10:28-31 O '65.

(MIRA 18:11)

L 40313-66 EEP(m)/EEP(w)/EEP(f)/EEP(v)/T-2/EEP(k) IJP(c) 10/100

ACC NR: AR6019520

SOURCE CODE: UR/0285/66/000/002/0013/0013

AUTHOR: Antonovich, A. V.; Minyaylo, A. F.

TITLE: Simulation of thermal fields in experimental investigations of cooling systems of gas-turbine cylinders

SOURCE: Ref zh. Turbostr, Abs. 2.49.85

REF SOURCE: Vestn. Kiyevsk, politekhn. in-ta. Ser. teploenerg., no. 2, 1965, 3-19

TOPIC TAGS: gas turbine engine, engine cooling system, temperature simulation, thermal field

ABSTRACT: A method and conditions for temperature simulation are described for purposes of studying air-cooled systems of gas-turbine cylinders. [Translation of abstract] [KP]

SUB CODE: 21,20/ SUBM DATE: none

Cord 1/1/11P

UDC: 621.438.001.5

GELLER, N.M., dotsent.; ANTONOVICH, E.F., iushenor.

Constructional defects of the 4006 truck-mounted loader. Mekh.trud.
rab. 11 no.1:39 Ja '57. (MLRA 10:5)
(Loading and unloading)

ARMONICH, L. N.

ARMONICH, L. N. -- "Investigation of the Effects of the Properties of Cellulose on Its Grinding Properties." "In Higher Education USSR. Leningrad Order of Lenin Forestry Engineering Academy imeni S. M. Kirov. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SOURCE Knizhnaya Letopis'm No 6 1956

PEREKAL'SKIY, N.P., doktor. tekhn. nauk; ANTONOVICH, L.N., kand. tekhn. nauk; Prinimali uchastiy: PLAVNIK, T., student-diplomant; KOMAROVA, V., student-diplomant

Manufacture of paper from synthetic fibers. Trudy LTITSBP
no.10:5-14 '62. (MIRA 16:8)

(Paper) (Textile fibers, Synthetic)

PEREKAL'SKIY, N.P., doktor. tekhn. nauk; ANTONOVICH, L.N., kand. tekhn. nauk; KRYUKOVA, Z.M., kand. tekhn. nauk; KURYLEV, Yu.V., inzh.;
Prinimali uchastiye: Ivanova, V.I., mladshiy nauchnyy sotrudnik;
BRUSNICHKINA, V.F., starshiy laborant; LOKSH, R., studentka-diplomantka

Use of alkyl ketene dimers for paper sizing. Trudy LTITSBP
no.10:15-26 '62. (MIRA 16:8)

(Sizing (Paper)) (Ketene)

...FAL'ITY, H.I.; AMONOVICH, I.E.; ...YANOV, I.M.; ...YANOV, I.M.

Use of alkyl ketene dimers in paper string. Trade
231 '64. (MIRA 18:8)

ANTONOVICH, S.A., kandidat tekhnicheskikh nauk.

Tasks facing science in river fleetmanagement. Rech.transp. 15
no.5:10-12 My '56. (MLRA 9:8)
(Inland water transportation)

ANTONOVICH, S.A., kandidat tekhnicheskikh nauk.

Automatising the control of ship power plant operations.

Rech. transp. 15 no.10:29-31 0 '56.

(MLRA 10:2)

(Electricity on ships)
(Automatic control)

ZBROZHEK, Vladimir Vatslavovich; ANTONOVICH, S.A., red.; MELRYEV, A.S.,
red.izd-va; LAVRUNOVA, N.B., tekhn.red.

[Automatic regulation and control of ship mechanisms and
equipment] Avtomaticheskoe regulirovanie i upravlenie sudovymi
mekhanizmami i ustroistvami. Moskva, Izd-vo "Morskoi transport,"
1958. 130 p. (MIRA 12:1)
(Automatic control) (Marine engines)
(Ship--Equipment and supplies)

AUTHORS: Antonovich, S.A., Dranitsyn, S.N.

119-2-2/13

TITLE: Investigation of the Working Process of the Thermohydraulic Level Regulator (Issledovaniye rabocheho protsessa termogidravlichesкого regulatora urovnya).

PERIODICAL: Priborostroyeniye, 1958, Nr 2, pp. 8-9 (USSR)

ABSTRACT: This level regulator is used in the machines of ships and in the steam boilers of large and small electric stations, and it effects an exact regulation of the water level in the drums of steam generators.

The mass element of the regulator consists of an internal metal tube the ends of which are connected with the steam- and water volumina of the steam generator. Outside, a second tube having cooling fins is provided. The space between the two tubes is connected with the water vessel.

According to the conditions of heat exchange it is now possible to understand the regulating effect by the behavior in four part-sections. Corresponding formulae are given for them.

The experimental determination of the dynamic characteristic of the regulator showed that the computed values show quite satisfac-

Card 1/2

Investigation of the Working Process of the
Thermohydraulic Level Regulator

119-2-2/13

tory agreement with those found experimentally. There are
5 figures and 2 Slavic references.

AVAILABLE: Library of Congress

Card 2/2 1. Boilers-Control systems 2. Feed-water regulators

ANTONOVICH, S.A., kand. tekhn. nauk.

Designing jet pumps (ejectors). Energomashinostroenie 4 no.9:8-13 S '58.
(Air ejectors) (MIRA 11:11)

ANTONOVICH, S. A. , kand. tekhn. nauk

Automatic control of steam pressure in river vessel boilers. Proisv.-
tekh. sbor no.1:12-30 '59. (MIRA 13:9)

1. Leningraiskiy institut vodnogo transporta.
(Boilers, Marine) (Automatic control)

ANTONOVICH, S.A., land.tekhn.nauk

Physical wear and obsolescence in marine power plants and their
computation in technical economic calculations. Rach.transp.

18 no.5:31-32 My '59.

(MIRA 12:9)

(Marine engines)

ANTONOVICH, Sergey Aleksandrovich, kand.tekhn.nauk; NOVIKOV, Viktor
Vasiliyevich, inzh.; RYNSKIY, Nikolay Mikhaylovich, inzh.;
PODKINSKIY, Leonid Ivanovich, inzh.; SHINKO, Konstantin
Nikolayevich, kand.tekhn.nauk. Prinimal uchastiye SMANTSER, A.I.,
inzh. AL'BANOV, V.M., inzh., nauchnyy red.; LAKHANIN, V.V., prof.,
doktor tekhn.nauk, retsenzent; KULIKOVSKIY, P.P., kand.tekhn.nauk,
retsenzent [deceased]; STEPANYUK, Ye.I., kand.tekhn.nauk, retsenzent;
PAVLOV, A.V., inzh., retsenzent; PETROV, M.D., inzh., retsenzent;
ROMANOV, P.A., inzh., retsenzent; SOBOLEV, P.I., inzh., retsenzent;
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[Handbook for marine heat engineers] Spravochnik sudovogo teplotekh-
nika. Sost. S.A.Antonovich i dr. Leningrad, Izd-vo "Rechnoi transport,"
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(Marine engineering) (Heat engineering)

S/194/61/000/010/043/082
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AUTHOR:

Antonovich, S.A.

TITLE:

Performance features of servomechanisms with dynamically non-symmetric regulators

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 33, abstract 10 V293 (Tr. Leningr. in-ta vodn. transp., 1961, no. 10, 3-8)

TEXT:

The dynamics are investigated of automatic control systems (ACS) comprising regulators, whose time-constants change their value with sign reversal of the acting force (hydraulic and pneumatic regulators). A simple ACS is considered of an astatic object of regulation and aperiodic link of 1st order as the regulator. As an example of such a system serves the water-level control system as used in marine boilers; the periodic force being provided by the rocking of the vessel. Such processes are described by a non-linear differential equation of the 2nd order which can be solved

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Performance features...

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by an approximate method. It is shown that the dynamic asymmetry of the regulator with periodic action has a serious effect upon the quality of control. 4 figures. [Abstracter's note: Complete translation]

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Card 2/2

ZEROZHEK, Vladimir Vatslavovich[deceased]. Prinimali uchastiye:
SLUTSKIN, L.A., inzh.; FADEYEV, V.I., inzh.; SHIFRIN, M.Sh.,
doktor tekhn. nauk, prof., retsenzent; ANTONOVICH, S.A., kard.
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R.D., red.; KRYAKOVA, D.M., tekhn. red.

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Leningrad, Sudpromgiz, 1962. 145 p. (MIRA 15:10)
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supercharging. Trudy TSNIIMF 8 no.5:3-33 '63. (MIRA 17:3)